



A PIZZA APP ON RUBY

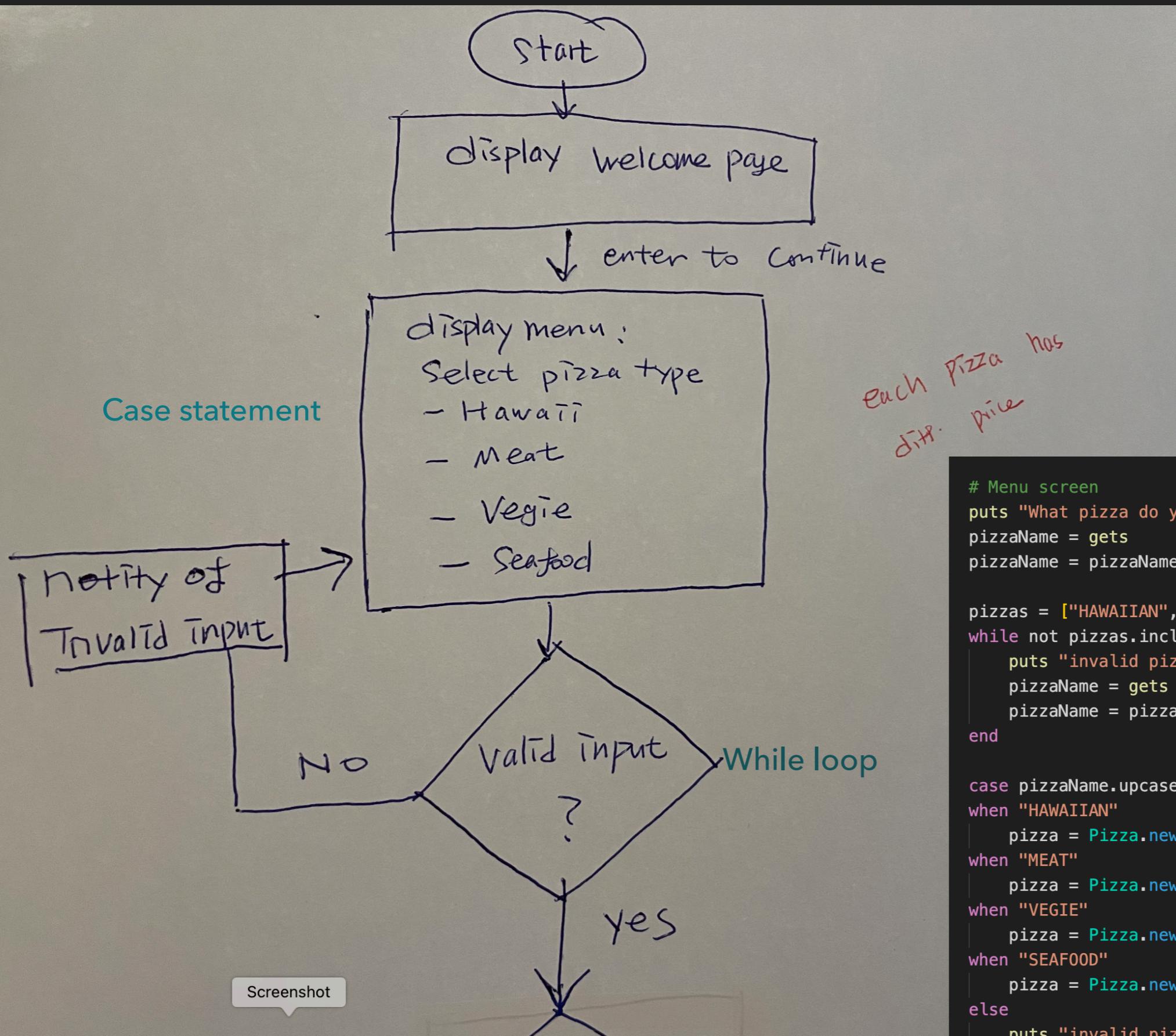
DOMIMO PIZZA



DOMIMO PIZZA



- ▶ Welcome Screen
- ▶ Prompts user for order:
 - ▶ Choose pizza (Menu)
 - ▶ Add topping
 - ▶ Choose base
 - ▶ Choose sauce
 - ▶ Enter your name and address
- ▶ Display order and total price
- ▶ Your order is complete screen



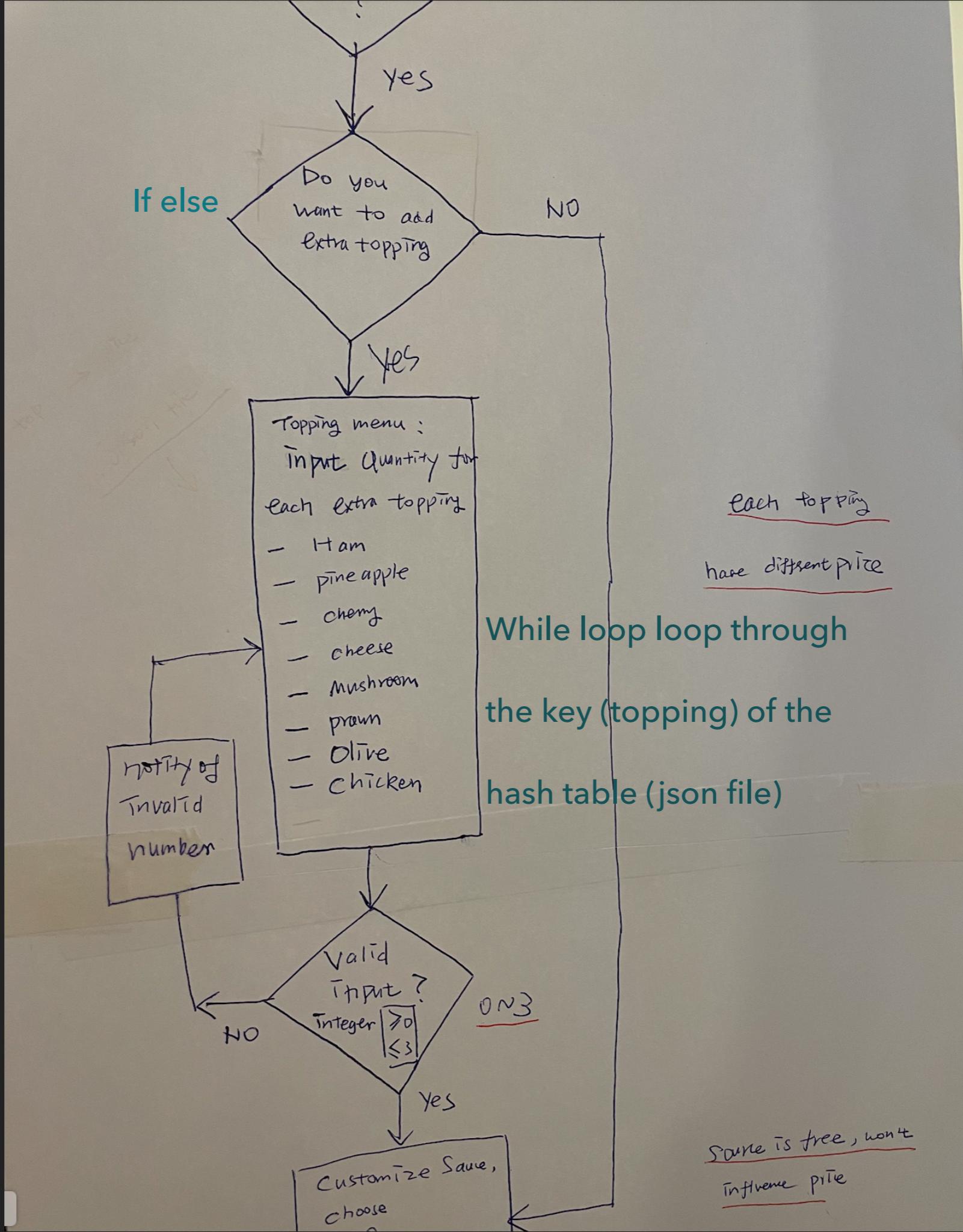
```

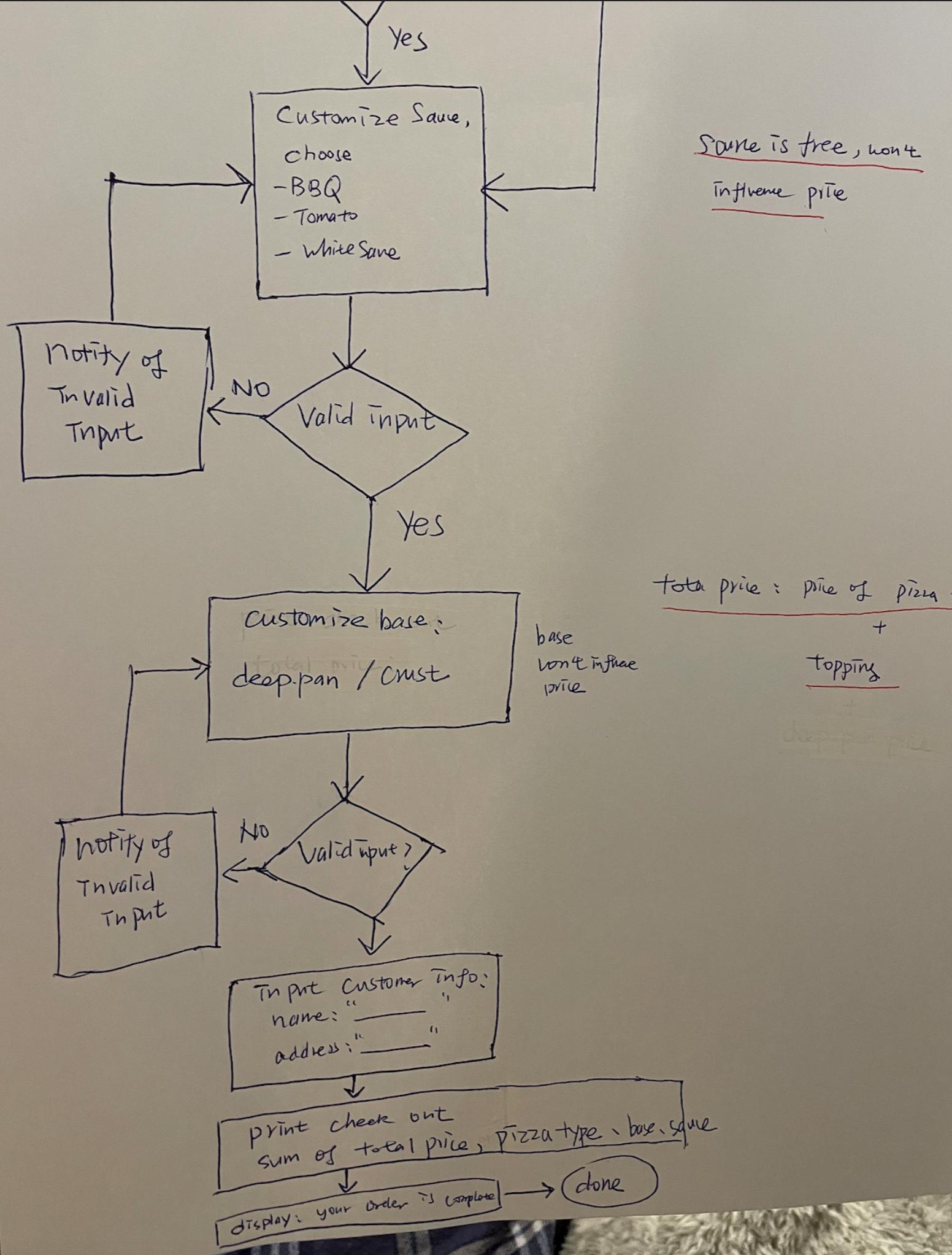
# Menu screen
puts "What pizza do you want"
pizzaName = gets
pizzaName = pizzaName.upcase.strip

pizzas = ["HAWAIIAN", "MEAT", "VEGIE", "SEAFOOD"]
while not pizzas.include?(pizzaName)
  puts "invalid pizza name"
  pizzaName = gets
  pizzaName = pizzaName.upcase.strip
end

case pizzaName.upcase.strip
when "HAWAIIAN"
  pizza = Pizza.new("Hawaiian", 10)
when "MEAT"
  pizza = Pizza.new("Meat", 15)
when "VEGIE"
  pizza = Pizza.new("VEGIE", 12)
when "SEAFOOD"
  pizza = Pizza.new("Seafood", 20)
else
  puts "invalid pizza name."
end

```





CLASS

Dry and easy to upgrade in future

- ▶ Pizza: name, pizza, base, topping, total price (attribute)
- ▶ Topping: name, price, amount (attribute)

```
Pizza.rb
src > main > classes > Pizza.rb
1 require_relative "Topping"
2 class Pizza
3   @name
4   @toppings
5   @pizzaBase
6   @totalPrice
7
8   def initialize (name, basePrice)
9     @name = name
10    @basePrice = basePrice
11  end
12
13  def calculateTotalPrice []
14    totalPrice = @basePrice
15    toppingPrice = 0
16    for topping in @toppings do
17      toppingPrice += topping.price
18    end
19    totalPrice = @basePrice + toppingPrice + @pizzaBase.price
20  end
21
22  attr_accessor :toppings
23  attr_accessor :pizzaBase
24  attr_reader :name
25  attr_reader :basePrice
26 end

Topping.rb
src > main > classes > Topping.rb
...
1 class Topping
2   @name
3   @price
4   @amount
5
6   def initialize (name, price, amount)
7     @name = name
8     @price = price
9     @amount = amount
10  end
11
12  attr_reader :name
13  attr_reader :price
14  attr_reader :amount
15
16 end
```

Screenshot

JSON FILE

► Topping

The screenshot shows a code editor interface with a dark theme. On the left, the Explorer sidebar displays a project structure for 'PIZZAPROJECT2'. The 'src/main/data' folder contains a file named 'toppings.json', which is currently selected and highlighted with a blue bar at the bottom of the list. Other files visible in the sidebar include 'Pizza.rb', 'Topping.rb', and 'main.rb'. The main editor area on the right shows the contents of the 'toppings.json' file:

```
1  {
2    "Ham": {
3      "price": 1
4    },
5    "Pinapple": {
6      "price": 2
7    },
8    "Cheese": {
9      "price": 3
10   },
11   "Mushroom": {
12     "price": 4
13   },
14   "Olive": {
15     "price": 5
16   }
17 }
18 }
19 }
20 }
21 }
22 }
23 }
```

- Challenges : (1) Design and integrate classes together (2) Switch input source cause problem (so later I just force myself to search everything in English instead of using my native languages since writing code with my native languages inout source can cause problem, like () and () , like , and ,)
- Ethical issue: use customer information ethically
- Favourite parts: Gem (colorize, artii, tty-prompt) make my app looks better

THANKS

